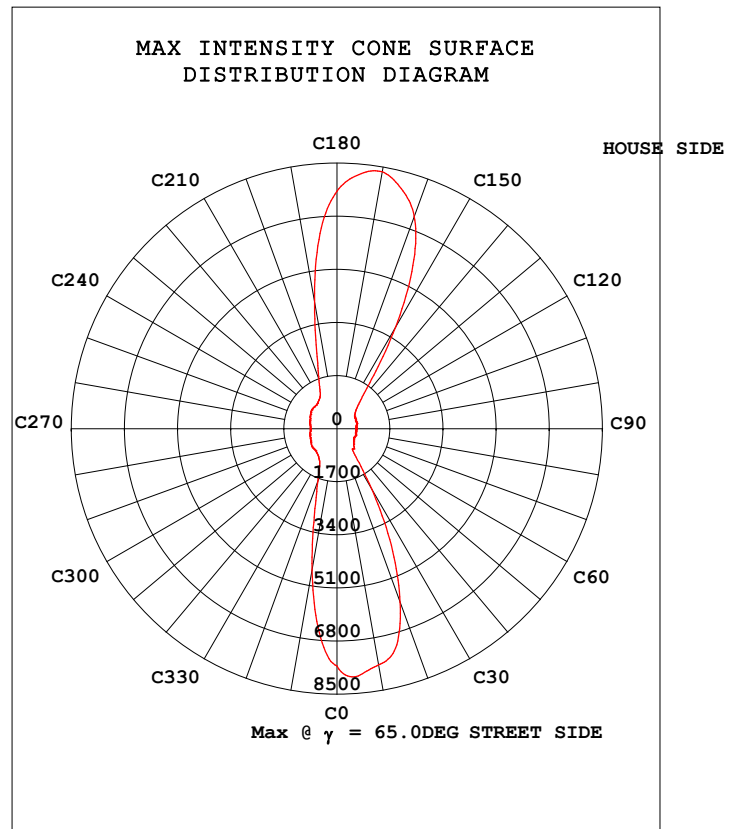
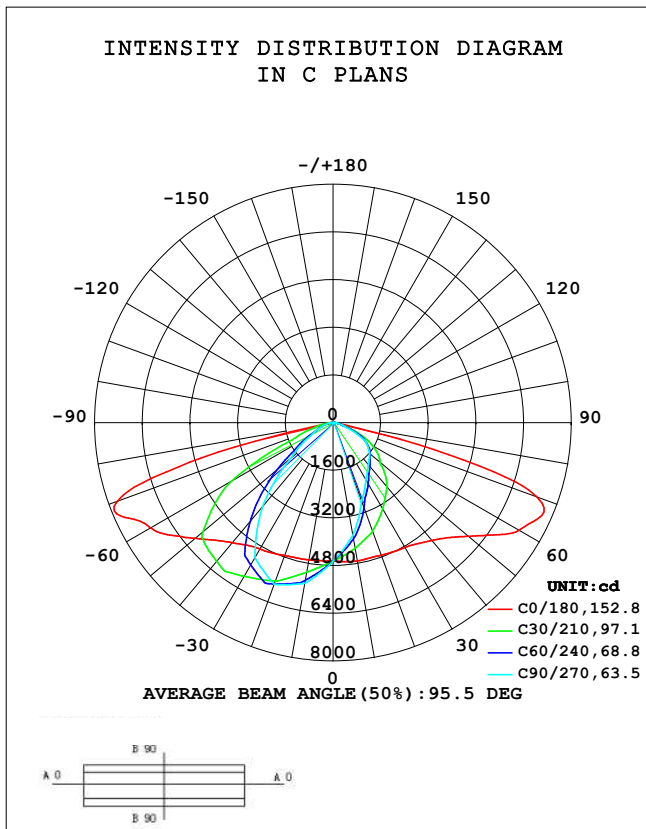


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.4622A P:100.4W PF:0.9836 Lamp Flux:15373.2x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 153.10 lm/W			
MODEL	LED	Imax (cd)	8352	η street_up (%)	0.0
NOMINAL POWER (W)	100	LOR (%)	100.0	η street_down (%)	50.2
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	15373	η house_up (%)	0.0
NOMINAL FLUX (lm)	15373.2	MAXIMUM @ (C, γ)	170,65.0	η house_down (%)	49.8
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	18.757



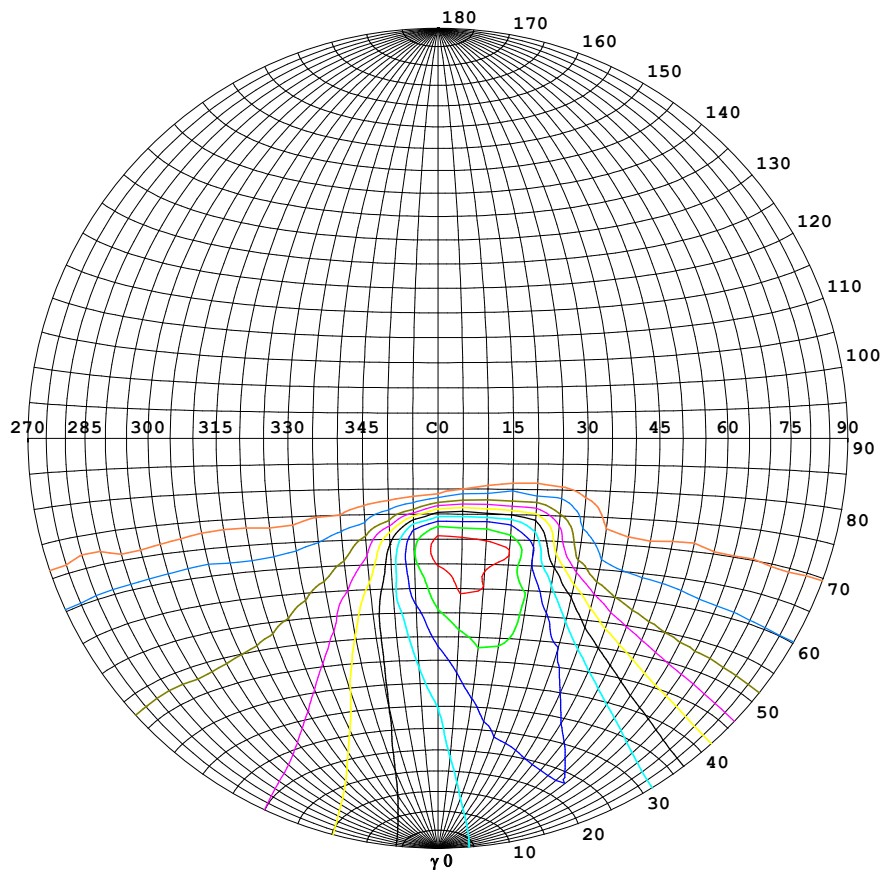
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.4622A P:100.4W PF:0.9836 Lamp Flux:15373.2x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



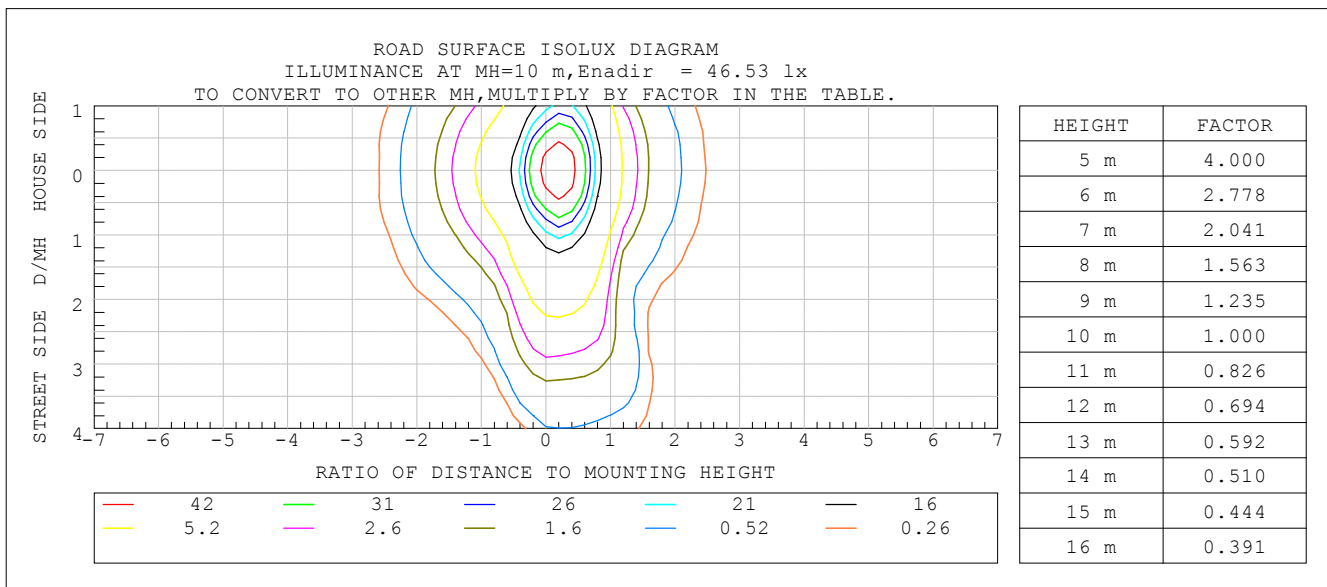
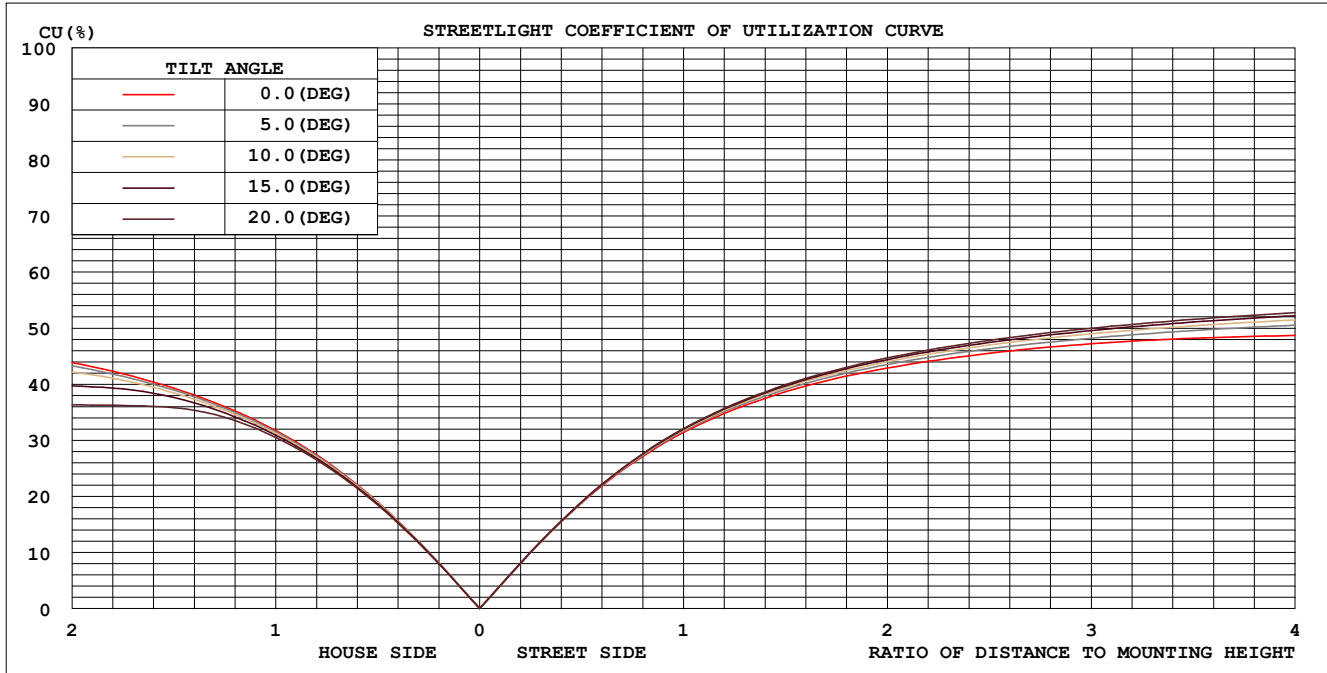
Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:Cut-off
CIE:Semi-cut-off
Max.At80:58.23cd/klm
Max.At90:4.299cd/klm
Max.80-90:58.23cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	8352
90%	7517
80%	6682
70%	5846
60%	5011
50%	4176
40%	3341
30%	2506
20%	1670
10%	835
5%	418

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.4622A P:100.4W PF:0.9836 Lamp Flux:15373.2x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

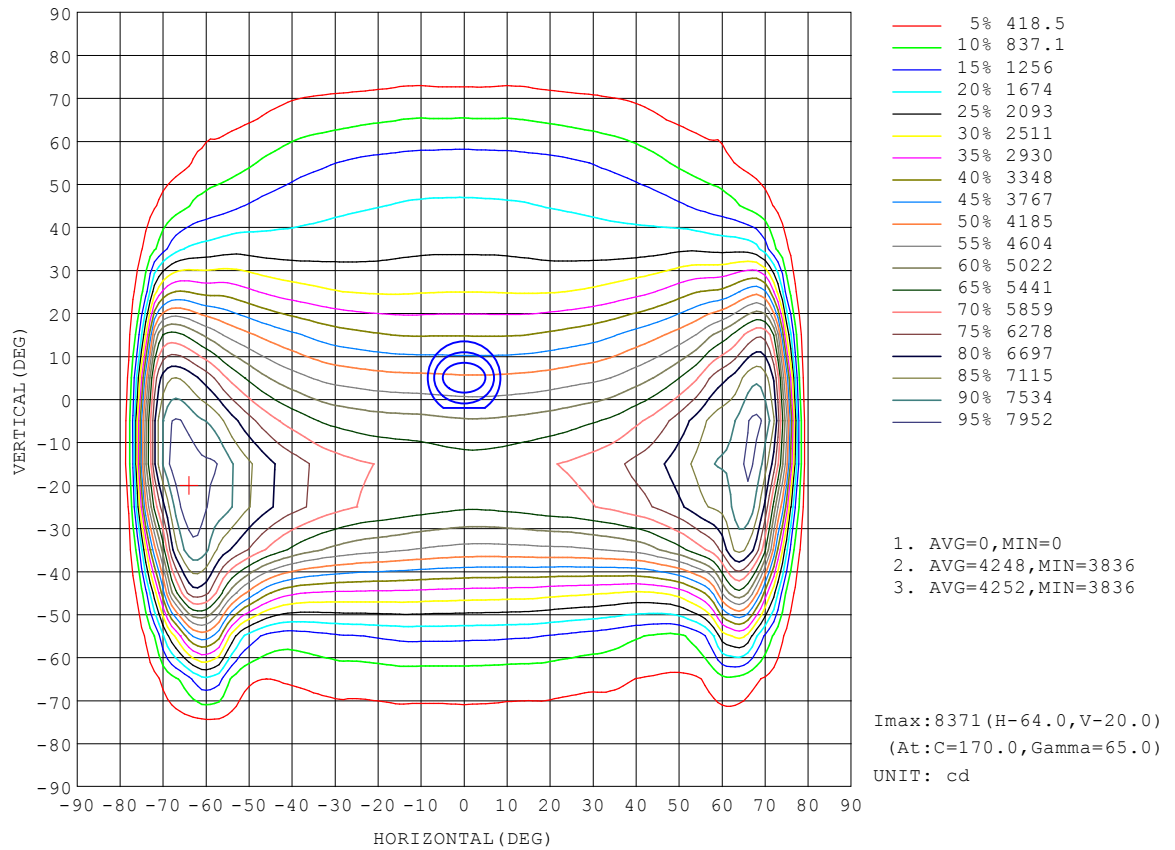
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
5	4654	4942	5065	4966	4682	4380	4246	4362	0- 5	111.4	111.4	0.72,0.72
10	4679	5255	5477	5302	4715	4101	3839	4082	5- 10	334.3	445.7	2.9,2.9
15	4703	5561	5628	5618	4713	3785	3323	3782	10- 15	553.1	998.8	6.5,6.5
20	4750	5728	5779	5772	4732	3388	2807	3403	15- 20	758.0	1757	11.4,11.4
25	4832	5895	5511	5935	4784	2981	2507	3020	20- 25	946.4	2703	17.6,17.6
30	4902	5865	5244	5930	4840	2668	2207	2709	25- 30	1112	3816	24.8,24.8
35	5027	5656	4463	5770	4961	2376	2028	2402	30- 35	1249	5065	32.9,32.9
40	5265	5353	3682	5556	5164	2055	1849	2065	35- 40	1345	6410	41.7,41.7
45	5588	4527	2756	4871	5465	1891	1730	1900	40- 45	1400	7810	50.8,50.8
50	6047	3596	1830	4135	5938	1693	1611	1701	45- 50	1409	9218	60,60
55	6600	2437	1337	2830	6573	1519	1436	1530	50- 55	1378	10596	68.9,68.9
60	7068	1232	844.5	1430	7223	1324	1260	1321	55- 60	1321	11918	77.5,77.5
65	7592	765.5	623.3	882.3	7606	1010	859.4	983.8	60- 65	1211	13128	85.4,85.4
70	7699	449.5	402.0	495.4	7279	654.5	458.4	621.0	65- 70	1076	14205	92.4,92.4
75	4573	303.5	279.3	328.6	3510	327.2	283.9	315.4	70- 75	784.1	14989	97.5,97.5
80	239.7	188.7	156.5	209.1	189.8	177.7	109.5	165.3	75- 80	299.9	15289	99.4,99.4
85	102.8	51.31	0	59.46	72.01	42.49	0	36.82	80- 85	72.89	15362	99.9,99.9
90	66.09	0	0	0	51.59	0	0	0	85- 90	11.67	15373	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

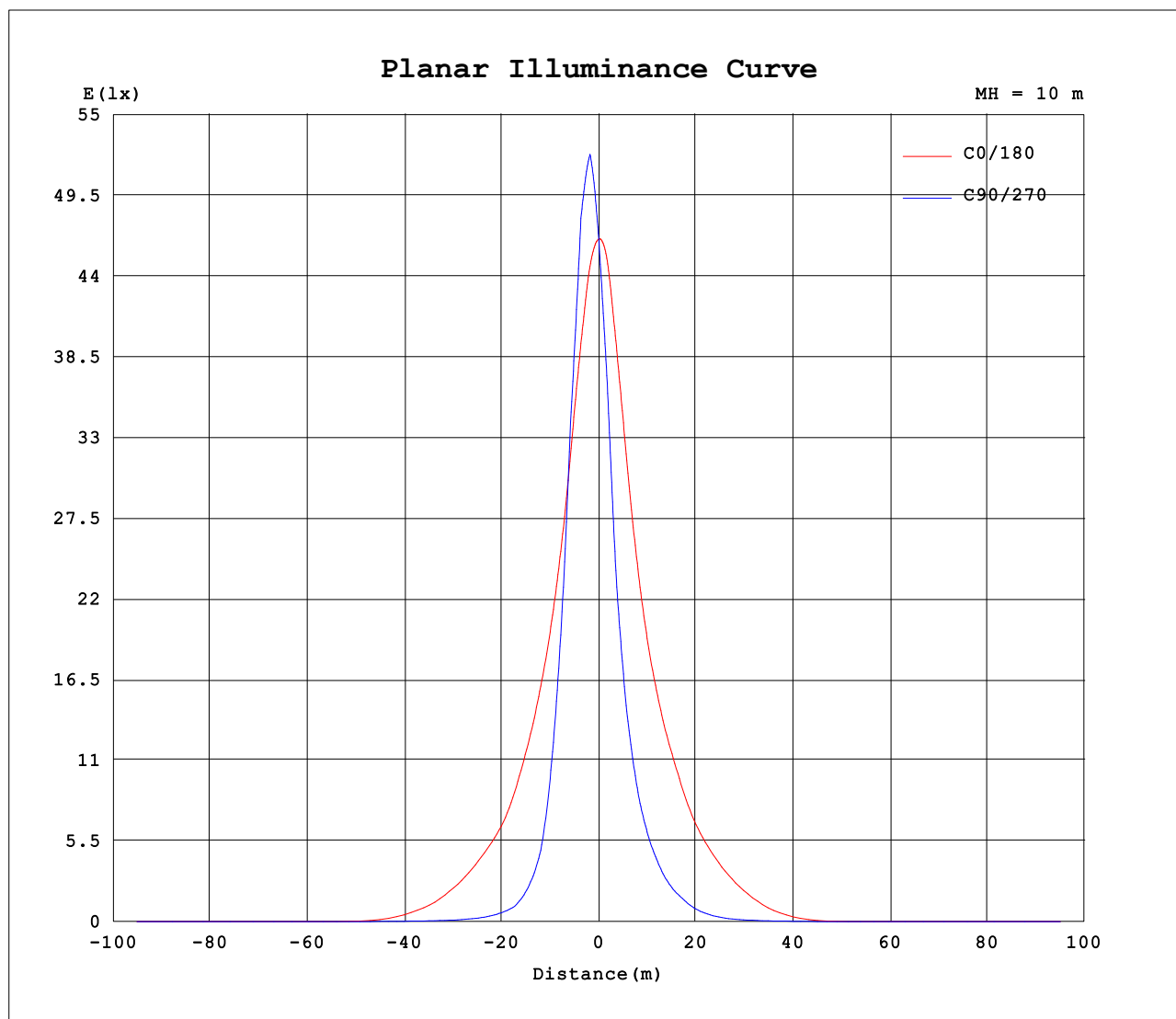
Test:U:220.9V I:0.4622A P:100.4W PF:0.9836 Lamp Flux:15373.2x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



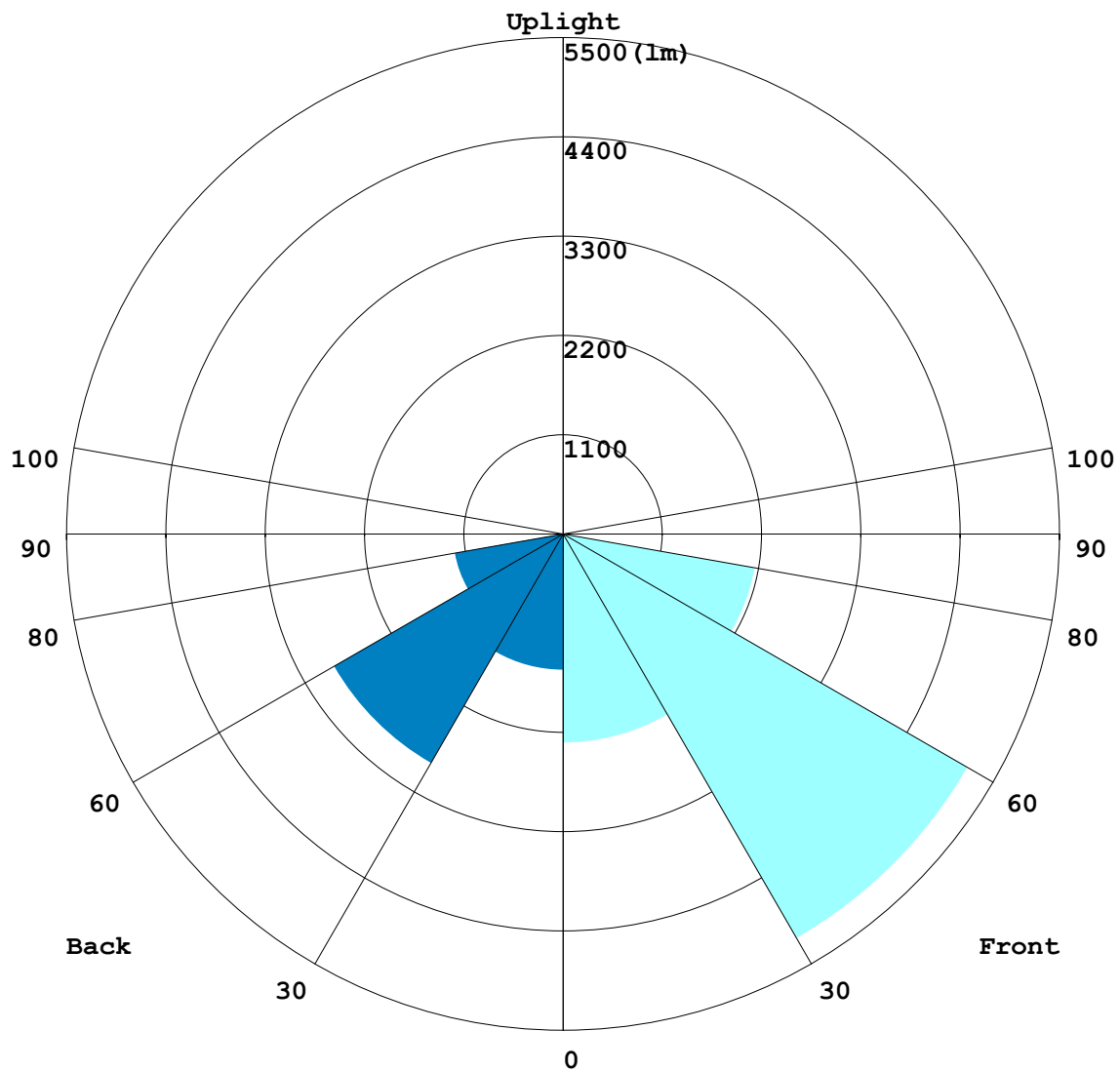
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.9V I:0.4622A P:100.4W PF:0.9836 Lamp Flux:15373.2x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.9V I:0.4622A P:100.4W PF:0.9836 Lamp Flux:15373.2x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2310.3	15.0
FM - Front-Medium(30-60)	5172.8	33.6
FH - Front-High(60-80)	2153.5	14.0
FVH - Front-Very High(80-90)	54.325	0.4
Total Forward Light	9690.9	63.0

BL - Back-Low(0-30)	1505.3	9.8
BM - Back-Medium(30-60)	2929.1	19.1
BH - Back-High(60-80)	1217.6	7.9
BVH - Back-Very High(80-90)	30.227	0.2
Total Back Light	5682.3	37.0

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G3
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5682.3	0	5682.3
Street Side	9690.9	0	9690.9

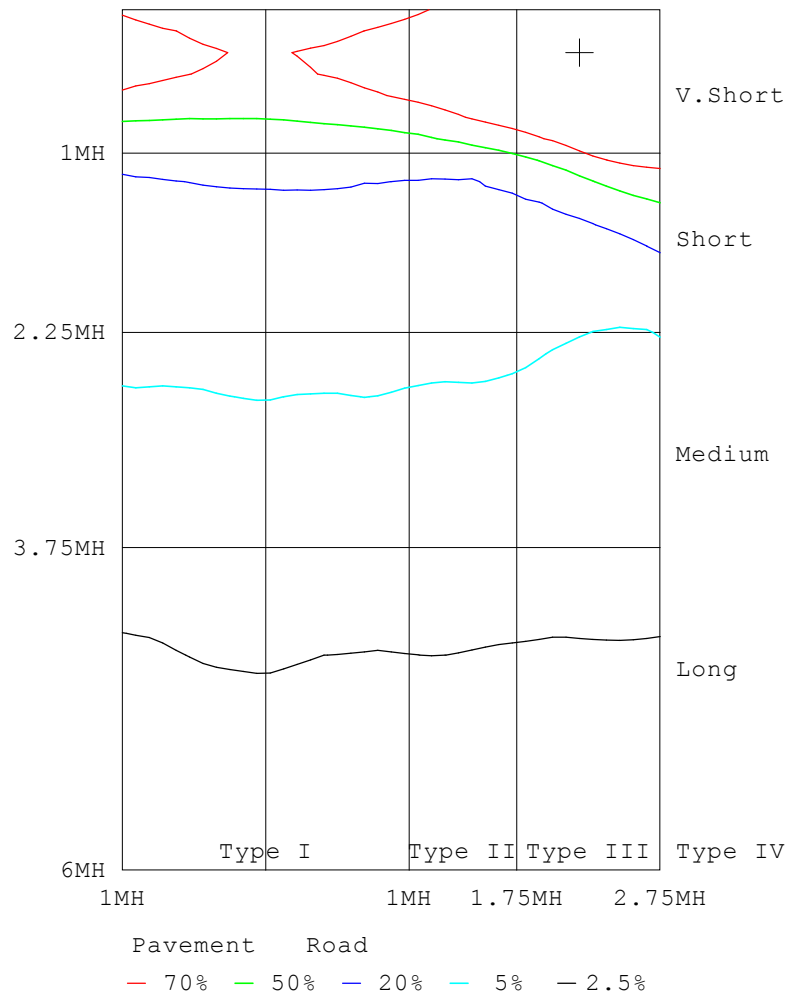
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.9V I:0.4622A P:100.4W PF:0.9836 Lamp Flux:15373.2x1 lm		
NAME: OPCITYIII-100W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```